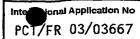
INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B21F43/00 B21F27/08 B21F27/00 B21F1/00 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 B21F B21C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 2 684 087 A (STOCKTON RAYMOND F) 1-4,10,20 July 1954 (1954-07-20) 11,46, 49-51 column 3, line 44 - column 4, line 74 column 1, lines 9-14; figures 1-5 X DE 10 29 788 B (DORSTENER DRAHTWERKE H W 1-3,38, BRUNE) 14 May 1958 (1958-05-14) 46,47 column 1, lines 28-41 column 2, lines 25-49; figures 1,2 FR 2 822 736 A (RENAULT) Α 18,52 4 October 2002 (2002-10-04) page 7, lines 12-14 page 8, lines 5-9 page 8, lines 25-28; figures 1,4 Further documents are listed in the continuation of box C. Patent family members are listed in annex. * Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the 'A' document defining the general state of the art which is not considered to be of particular retevance invention 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled 'O' document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 14 July 2004 23/07/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Augé, M

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